

## **REMARKS**

Favorable reconsideration and allowance of this application are requested.

### **1. Response to Claim Objections**

Applicants are somewhat perplexed by the objection to claims 7-11 due to the presence of “anyone” in the preamble expressions. In this regard, applicants note that a Preliminary Amendment was filed on December 21, 2005 concurrently with the subject application in which such word was deleted along with the multiple claim dependencies originally recited therein. See in this regard,

[http://portal.uspto.gov/external/portal/!ut/p/kcxml/04\\_Sj9SPykssy0xPLMnMz0vM0Y\\_QjzKLN4qPMATJqFieAfgRqCLGpugijnABX4\\_83FT9IKBEpDIQxNDCRz8qJzU9MbISP1jFWz9AvyA3NDSi3NsRAHxEBJg!/delta/base64xml/L0IJSk03dWIDU1IKSi9vQXd3QUFNWVdBQ0VJUWhDRUVJaEZLQSEvNEZH2RZbktKMEZSb1hmckNIZGgvN18wXzE4TC8zL3NhLmdldEJpYg!!?selectedTab=ifwtab&isSubmitted=isSubmitted&dosnum=10561907&public\\_selectedSearchOption](http://portal.uspto.gov/external/portal/!ut/p/kcxml/04_Sj9SPykssy0xPLMnMz0vM0Y_QjzKLN4qPMATJqFieAfgRqCLGpugijnABX4_83FT9IKBEpDIQxNDCRz8qJzU9MbISP1jFWz9AvyA3NDSi3NsRAHxEBJg!/delta/base64xml/L0IJSk03dWIDU1IKSi9vQXd3QUFNWVdBQ0VJUWhDRUVJaEZLQSEvNEZH2RZbktKMEZSb1hmckNIZGgvN18wXzE4TC8zL3NhLmdldEJpYg!!?selectedTab=ifwtab&isSubmitted=isSubmitted&dosnum=10561907&public_selectedSearchOption)

Thus withdrawal of the claim objections is believed to be in order.

### **2. Response to 35 USC §§112/101 Issues**

Claim 10 has been amended so as to remove its non-statutory status as a “use” claim. Thus, claim 10 now defines a three dimensional object which comprises a photocured product of the photocurable composition as in claim 1. Withdrawal of the rejections advanced against claim 10 under 35 USC § 112 and 101 is therefore in order.

### **3. Response to 35 USC §103(a) Issues**

Claims 1-11 were rejected under 35 USC 103(a) as being obvious in view of Yamamura et al. (EP 938026). Applicants respectfully disagree.

The Examiner will note in this regard that Yamamura et al was cited in the specification of the present application in page 2, part c), lines 22 to 24, by virtue of its counterpart Japanese patent Application Laid-open No.11-310626, Japanese Patent Application Laid-open No. 11-228610 and Japanese Patent Application laid-open No. 11-240939. (See attached INPADOC document for EP 938026). Compositions belonging to part c) are those having “inferior mechanical and thermal characteristics in comparison to a general-purpose resin. In particular, the fracture toughness is lower than that of a general purpose-resin”. (See page 3, lines 14-19).

Accordingly, one of ordinary skill in the art would not look at EP938026 for a solution for “low initial strength, large amount of warping, low bending resistance and low fracture toughness” attributable to the coating compositions of the present invention. (See Field of Invention, page 1, lines 9-10). In other words, it is not obvious for one of ordinary skill in the art , based on Yamamura et al's teachings, to produce the composition of the present invention.

Claims 1-11 thus are patentably “unobvious” over Yamamura et al. Withdrawal of the rejection advanced under 35 USC §103(a) based thereon is therefore in order.

#### **4. Conclusion**

Every effort has been made to advance prosecution of this application to allowance. Therefore, in view of the amendments and remarks above, applicant suggests that all claims are in condition for allowance and Official Notice of the same is solicited.

Should any small matters remain outstanding, the Examiner is encouraged to telephone the Applicants' undersigned attorney so that the same may be resolved without the need for an additional written action and reply.

**YASHIRO et al**  
**Serial No. 10/561,907**  
December 14, 2007

An early and favorable reply on the merits is awaited.

**5. Fee Authorization**

The Commissioner is hereby authorized to charge any deficiency, or credit any overpayment, in the fee(s) filed, or asserted to be filed, or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Account No. 14-1140.

Respectfully submitted,

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**Photocurable liquid resin composition****Publication number:** EP0938026**Publication date:** 1999-08-25**Inventor:** YAMAMURA TETSUYA (JP); TAKEUCHI AKIRA (JP);  
WATANABE TSUYOSHI (JP); UKACHI TAKASHI (JP)**Applicant:** DSM NV (NL); JSR CORP (JP); JAPAN FINE  
COATINGS CO LTD (JP)**Classification:****- international:** C08F2/50; G03F7/00; G03F7/033; G03F7/038;  
C08F2/46; G03F7/00; G03F7/033; G03F7/038; (IPC1-  
7): G03C9/08; G03F7/033; G03F7/038**- European:** G03F7/00S; G03F7/033; G03F7/038**Application number:** EP19990200456 19990218**Priority number(s):** JP19980052729 19980218; JP19980058861 19980224;  
JP19980058862 19980224; JP19980062090 19980226**Also published as:**

US6287745 (B1)

**Cited documents:**

EP0848292



WO9738354



EP0822445



EP0605361

**Report a data error here****Abstract of EP0938026**

The present invention relates to a photocurable liquid resin composition comprising: (A) a cationically polymerizable organic compound; (B) a cationic photopolymerization initiator; (C) an ethylenically unsaturated monomer; (D) a radical photopolymerization initiator; (E) a polyether polyol compound having one or more hydroxyl groups in one molecule; and, optionally, includes elastomer particles having a specific particle diameter and/or an epoxy-branched alicyclic compound.

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**Family list****8 family members for: EP0938026**

Derived from 6 applications

[Back to EP093](#)

- 1 Photocurable liquid resin composition**  
**Inventor:** YAMAMURA TETSUYA (JP); TAKEUCHI AKIRA (JP); (+2) **Applicant:** DSM NV (NL); JSR CORP (JP); (+1)  
**EC:** G03F7/00S; G03F7/033; (+1) **IPC:** C08F2/50; G03F7/00; G03F7/033 (+8)  
**Publication info:** EP0938026 A1 - 1999-08-25
- 2 PHOTO-SETTING RESIN COMPOSITION**  
**Inventor:** YAMAMURA TETSUYA; TAKEUCHI AKIRA; (+2) **Applicant:** JSR CORP; NIPPON TOKUSHU COATING KK  
**EC:** **IPC:** C08F2/50; C08G59/02; C08F2/46 (+3)  
**Publication info:** JP3824286B2 B2 - 2006-09-20  
JP11228610 A - 1999-08-24
- 3 PHOTOCURING LIQUID RESIN COMPOSITION**  
**Inventor:** YAMAMURA TETSUYA; TAKEUCHI AKIRA; (+2) **Applicant:** JSR CORP; NIPPON TOKUSHU COATING KK  
**EC:** **IPC:** G03F7/027; B29C35/08; B29C67/00 (+23)  
**Publication info:** JP11240939 A - 1999-09-07
- 4 PHOTOCURABLE LIQUID RESIN COMPOSITION**  
**Inventor:** YAMAMURA TETSUYA; TAKEUCHI AKIRA; (+2) **Applicant:** JSR CORP; NIPPON TOKUSHU COATING KK  
**EC:** **IPC:** G03F7/027; B29C35/08; B29C67/00 (+26)  
**Publication info:** JP11310626 A - 1999-11-09
- 5 Photocurable liquid resin composition comprising an epoxy-branched alicyclic compound**  
**Inventor:** YAMAMURA TETSUYA (JP); TAKEUCHI AKIRA (JP); (+2) **Applicant:** DSM NV (US); JSR CORP (US); (+1)  
**EC:** G03F7/00S; G03F7/033; (+1) **IPC:** C08F2/50; G03F7/00; G03F7/033 (+8)  
**Publication info:** US6287745 B1 - 2001-09-11
- 6 Photocurable liquid resin composition**  
**Inventor:** YAMAMURA TETSUYA (JP); TAKEUCHI AKIRA (JP); (+2) **Applicant:**  
**EC:** G03F7/00S; G03F7/033; (+1) **IPC:** G03F7/00; G03F7/033; G03F7/038 (+5)  
**Publication info:** US6727035 B2 - 2004-04-27  
US2002048717 A1 - 2002-04-25

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